15/1/21

In Focus

How can we write $\frac{2}{5}$ as tenths?

Before we start this lesson, have this fraction in front of you. Either printed out or drawn out.

In Focus

How can we write $\frac{2}{5}$ as tenths?

What is $\frac{2}{5}$?

Where is 2 shown on the bar model?

In Focus

How can we write $\frac{2}{5}$ as tenths?

The whole is divided into 5 parts.

Each part is 1 fifth.

The two coloured parts are two fifths. $\frac{2}{5}$

What do you understand by tenths. What does it tell us about the whole?

It means the whole is split into 10 equal parts.

How can we write $\frac{2}{5}$ as tenths?

How can we write $\frac{2}{5}$ as tenths?

Help on next page.

How can we write $\frac{2}{5}$ as tenths?

How 5 parts can be converted into 10 parts?

How do we get 10 from 5?

Can we use multiplication?

Let's Learn

1

This is $\frac{1}{5}$.

This is $\frac{2}{10}$.

$\times 2$

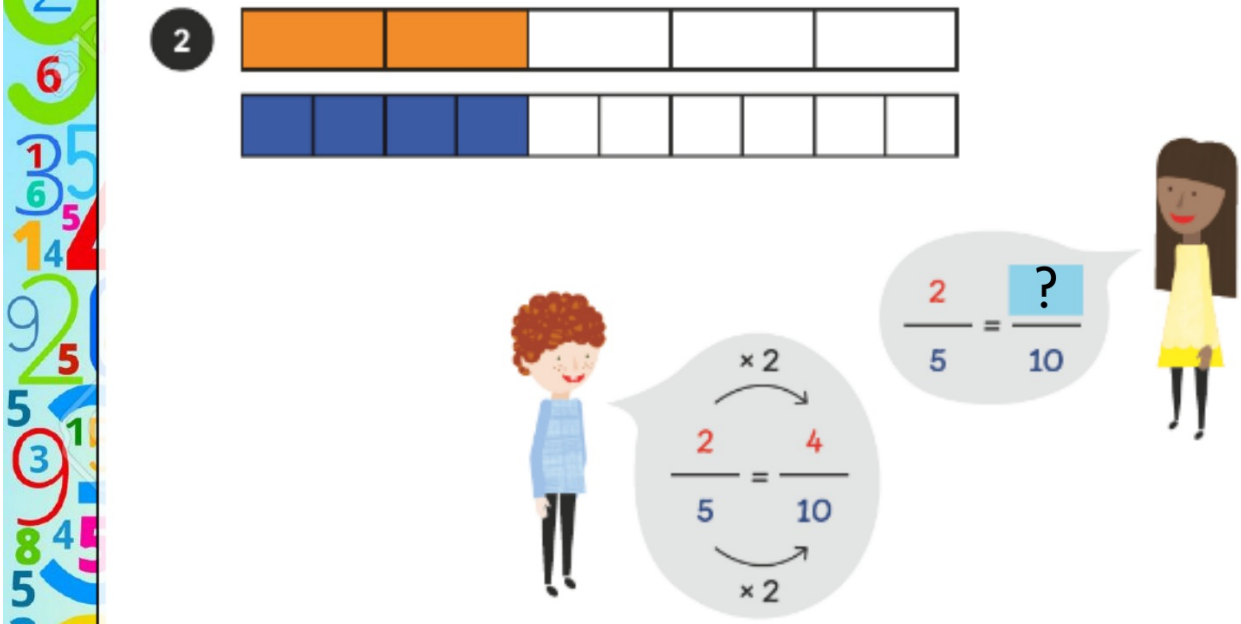
$\frac{1}{5} = \frac{2}{10}$

$\times 2$

2

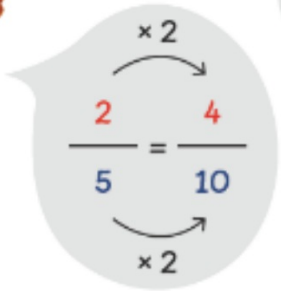
$$\frac{2}{5} = \frac{?}{10}$$

2



2

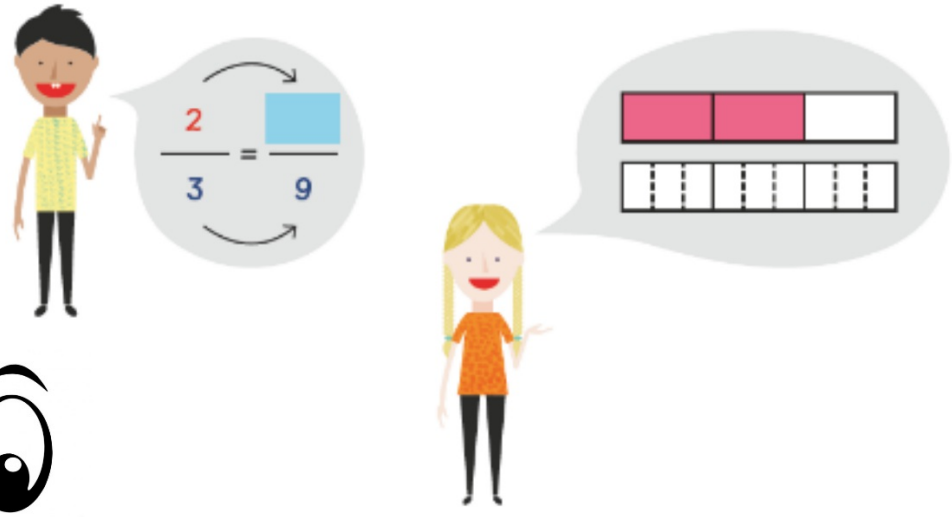
$\frac{2}{5} = \frac{4}{10}$



$\frac{2}{5} = \frac{?}{10}$

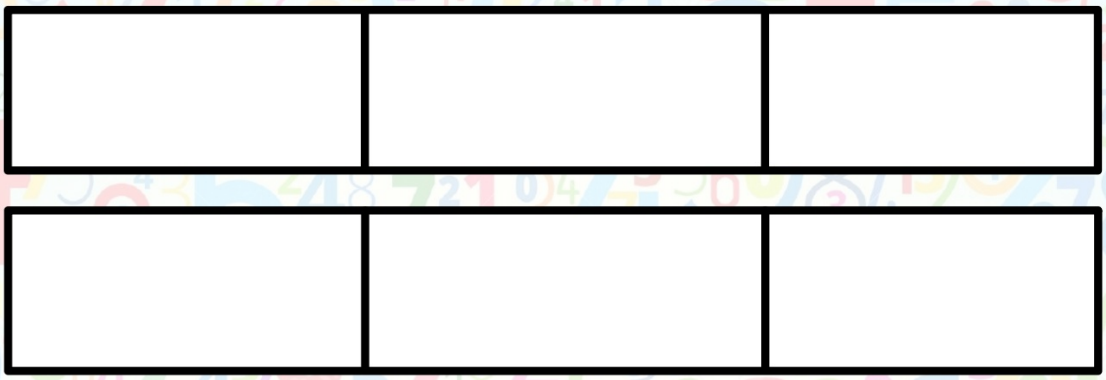
3 Find the missing numerator.

$\frac{2}{3} = \frac{\square}{9}$

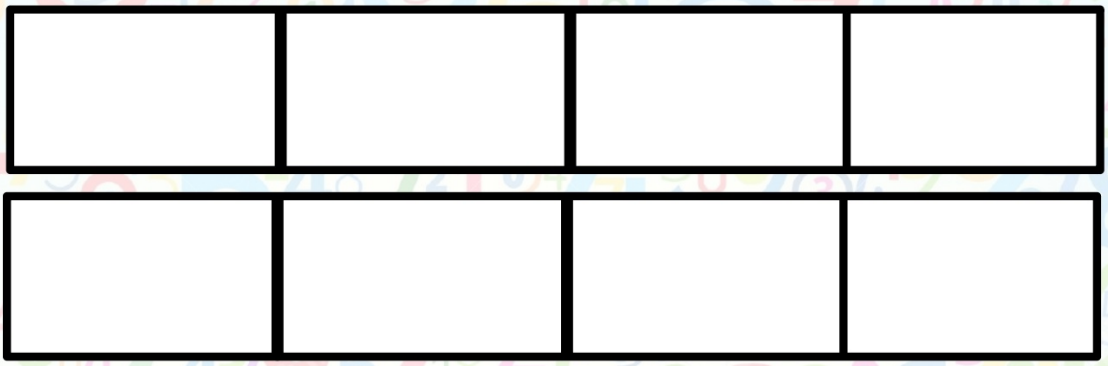


Watch video clip "Explanation 1'

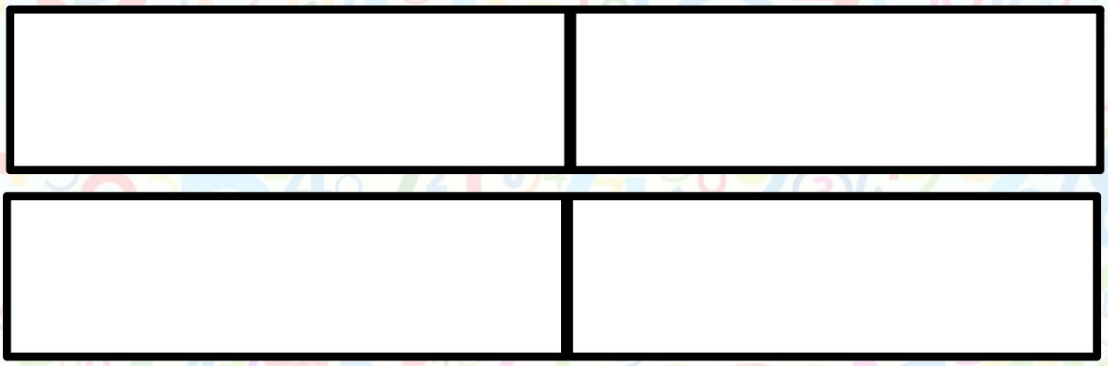
"Explanation 1"



"Explanation 1"



"Explanation 1"



Guided Practice

1 Find the missing numerators.

$\frac{3}{4}$

$\frac{3}{4} = \frac{\square}{12}$

$\frac{3}{4} = \frac{\square}{8}$

2 Find the missing numerators and denominators.

(a) $\frac{2}{5} = \frac{\square}{10}$

(b) $\frac{5}{6} = \frac{\square}{12}$

What have the denominators been multiplied by?

Do the same to the numerator.

Challenge

(c) $\frac{2}{3} = \frac{\square}{\square}$

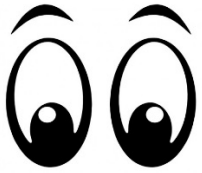
Think about what you need to multiply the demoninator by to get a number between 10-15.

THEN

Do the same to the numerator.

Explore this.

Watch video clip "Explanation 2"

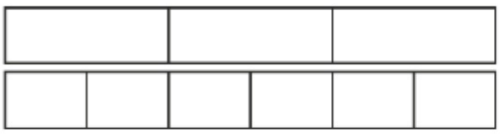


(c) $\frac{2}{3} = \frac{\square}{\square}$

Finding Equivalent Fractions

1 Find the missing numerators.
Shade the bars to find the answers.

(a)



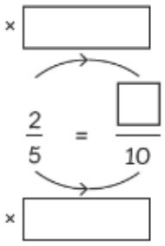
$\frac{2}{3} = \frac{\square}{6}$

(b)

$\frac{4}{5} = \frac{\square}{10}$

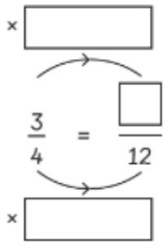
2 Fill in the blanks.

(a)



$\frac{2}{5} = \frac{\square}{10}$

(b)



$\frac{3}{4} = \frac{\square}{12}$

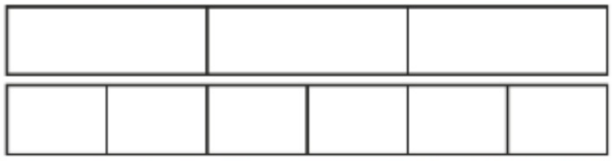
(c) $\frac{2}{3} = \frac{\square}{9}$

(d) $\frac{3}{5} = \frac{\square}{10}$

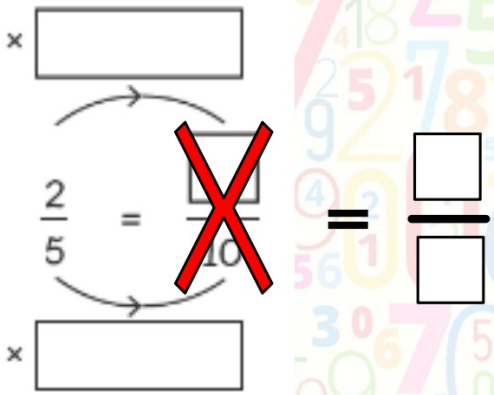
Complete
worksheet

Going Deeper

See if you can find some additional equivalent fractions for each question.



$\frac{2}{3} = \frac{\square}{\square} = \frac{\square}{\square}$



$= \frac{\square}{\square}$

Work out some of your own.